

**Notice of Allowability**

Application No.

09/523,379

Examiner

Philip B. Tran

Applicant(s)

MATSUNAMI ET AL.

Art Unit

2155

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/9/2005.
2. ☒ The allowed claim(s) is/are 29,31,36-38 and 44-49.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including ~~changes required by~~ the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date hereto.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/19/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Philip Tran*

*pl*

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Stanger (Reg. No. 32,846), the undersigned, on June 27, 2005.

#### IN THE CLAIM:

Amend claim 29 as follows:

29. (Currently Amended) A computer system comprising:

a plurality of computers;

a storage system including a plurality of logical units and at least one interface control circuit coupled to the plurality of computers; and

a management computer coupled to the storage system, said management computer including a management table that stores a relation between a user name and logical unit identification information identifying a private logical unit of a user indicated by the user name;

wherein each of the plurality of logical units is a private logical unit of a predetermined user,

wherein the management computer is arranged to receive a user name and computer identification information identifying a computer, refer to the management

table to find the logical unit identification information corresponding to the received user name, and transmit the received computer identification information associated with the received user name and found logical unit identification information to the storage system, and

wherein the storage system is arranged to receive the computer identification information and logical unit identification information transmitted by the management computer and, in response to receipt of the computer identification information and logical unit identification information, to permit the computer identified by the received computer identification information to access the at least one private logical unit indicated by the received logical unit identification information.

3. Pursuant to MPEP 606.01, the title has been changed to read:

-- A METHOD AND SYSTEM OF MANAGING AN ACCESS TO A PRIVATE LOGICAL UNIT OF A STORAGE SYSTEM --

4. The examiner notes that drawings are missing from IFW (the examiner has a courtesy copy of drawing set). A new set of formal corrected drawings must be submitted including changes, required by the examiner, as attachment to this Office action. In order to avoid abandonment of this application, formal drawings are required in reply to the Office action.

***Allowable Subject Matter***

5. Claims 29, 31, 36-38 and 44-49 are allowed.
6. The following is an examiner's statements of reason for allowance:

The examiner has found that the prior art of record does not appear to teach or suggest or render obvious the claimed limitations in combination with the specific added limitations as recited in independent claims and subsequent dependent claims. The prior art of record fails to teach or suggest a method and system for managing an access to a private logical unit of a storage system wherein management computer includes a management table that stores a relation between a user name and logical unit identification information identifying a private logical unit of a user indicated by the user name, referring to the management table to find the logical unit identification information corresponding to the received user name and transmitting the received computer identification information associated with the received user name and found logical unit identification information to the storage system thereby to permit the computer identified by the received computer identification information to access the private logical unit identified by the received logical unit identification information. Thus, the concept of the claimed invention is different from and not taught by Blumenau, because each logical units of the claimed invention is a private logical unit of a predetermined user, but each of the logical units of Blumenau is a private logical unit of a predetermined host as argued by applicant [see Amendment filed on 24 February 2005 and Supplemental Amendment filed on 09 May 2005].

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip B. Tran whose telephone number is (571) 272-3991. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.
9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Philip B. Tran  
Art Unit 2155  
June 27, 2005